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**State of Utah**  
**DEPARTMENT OF NATURAL RESOURCES**  
**Division of Oil, Gas & Mining**

MICHAEL R. STYLER  
Executive Director

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Division Director

**Inspection Report**  
**Minerals Regulatory Program**  
Report Date September 22, 2005

Supervisor ABZ

**Mine Name:** Little Indian Quarry  
**Operator Name:** H & H Stone

**Permit number:** S/037/117  
**Inspection Date:** August 18,  
2005  
**Time:** 8:30-9:50 AM

**Inspector(s):** Paul Baker  
**Other Participants:** Charlotte and DJ Daves  
**Mine Status:** Inactive

**Weather:** Clear, 70's recent rain

Elements of Inspection	Evaluated	Comment	Enforcement
1. Permits, Revisions, Transfer, Bonds	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Public Safety (shafts, adits, trash, signs, highwalls)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Protection of Drainages / Erosion Control	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4. Deleterious Material	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Roads (maintenance, surfacing, dust control, safety)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. Concurrent Reclamation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. Backfilling/Grading (trenches, pits, roads, highwalls, shafts, drill holes)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
8. Water Impoundments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. Soils	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. Revegetation	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11. Air Quality	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12. Other	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**Purpose of Inspection:**

The purpose of the inspection was to meet and discuss how the site should be reclaimed.

**Inspection Summary:**

3. Protection of Drainages / Erosion Control

In the drainage above the quarry, there had been a small impoundment. The operator breached the dam allowing water to flow from the undisturbed area above the mine through the mine site. With the amount of recent rain, the dam might have breached on its own if the operator hadn't done this.

The operator had placed some sediment controls in the stream channel below the site, but these were apparently washed away.

7. Backfilling/Grading (trenches, pits, roads, highwalls, shafts, drill holes)

There is a road running through the site that the land owner would like to keep. The NOI and the USGS quad map show this road as existing prior to mining, and the land owner would like it to remain.

There are piles of waste rock and some soil that was stripped prior to mining.

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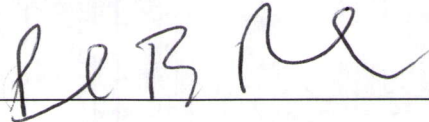
**Conclusions and Recommendations:**

There is no concern with leaving the road through the site.

Reclamation should consist of three main steps:

1. Spread waste over the site except in the drainage. The drainage is basically bedrock, so waste and soil should be kept out.
2. Spread soil. This should be done in a way that the site is left rough. It would be best if some rock was still on the surface to help reduce erosion. Some waste and soil will need to go over the road area to make it more driveable than it currently is.
3. Seed. This should be done as soon as possible after the soil is spread—preferably within a few hours and definitely before any rain. I recommend that the seed mix include fourwing saltbush, Indian ricegrass, and crested wheatgrass. Many other species are adapted to the site, but these would be the primary species that should provide good cover, erosion control, and forage for wildlife and livestock. The revegetation potential at this site is good.

Inspector's Signature



Date: September 22, 2005

PBB:jb

cc: H & H StoneOperator  
John Blake, SITLA

Attachment: Photos

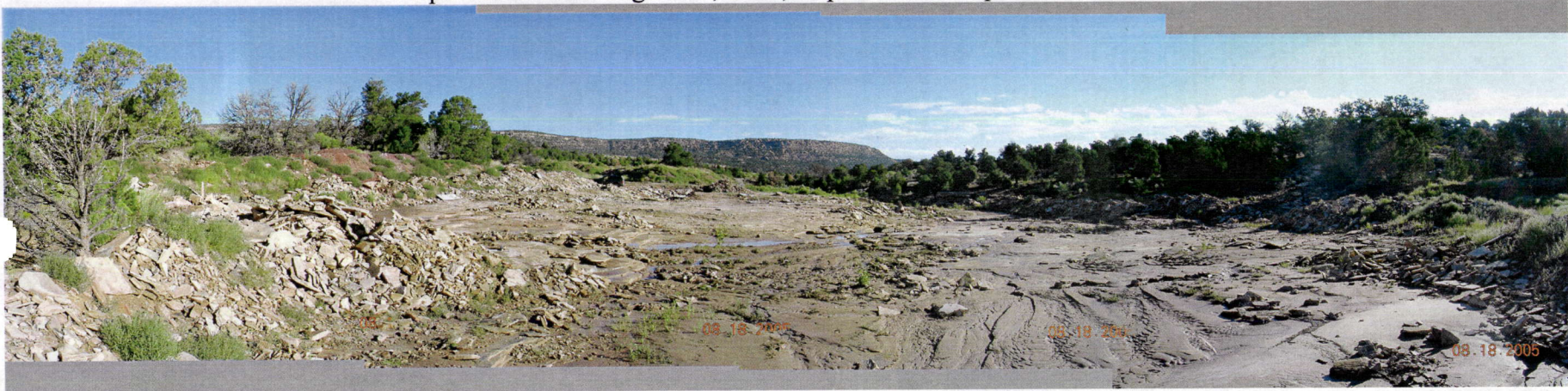


## ATTACHMENT

### Photograph

S/037/117, Little Indian Mine, H & H Stone

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**Photo 1. Panorama of the mine site. The waste rock and soil are on the left and right sides of this picture and in the background toward the left, but they are difficult to see.**